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09/537,654 PCT

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 1107-PCT	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 00/09010	International filing date (day/month/year) 05/04/2000	(Earliest) Priority Date (day/month/year) 05/05/1999
Applicant PIONEER HI-BRED INTERNATIONAL, INC. et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☒ contained in the international application in written form.

☒ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of Invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

RAD51 AUS MAIS

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

PCT/US 00/09010

IPC 7 C12N15/82 C07K14/415 C12N5/14 C12N15/63

IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, STRAND

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DOSANJH M.K. ET AL.: "Isolation and characterization of RAD51C, a new human member of the RAD51 family of related genes" NUCLEIC ACID RESEARCH, vol. 26, no. 5, 1998, pages 1179-1184, XP002149945 cited in the application figure 1	1-11
A	ROUNDSLEY S.D. ET AL.: "Putative DNA repair protein (Rad57); Arabidopsis thaliana (Mouse-ear cress)" EMBL DATABASE ENTRY 022144; ACCESSION NO. 022144, 1 January 1998 (1998-01-01), XP002149971	1-11

X

Further documents are listed in the continuation of box C.

☒

Patent family members are listed in annex.

° Special categories of cited documents :

P document published prior to the international filing date but later than the priority date claimed

"&" document member of the same patent family

23 October 2000

07/11/2000

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/09010

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97 41228 A (PIONEER HI BRED INT.) 6 November 1997 (1997-11-06) page 76, line 24 -page 77, line 2 ---	1-11
A	LIN X. ET AL.: "Arabidopsis thaliana chromosome II section 242 of 255 of the complete sequence. Sequence from clones T14P1, F4L23" EMBL DATABASE ENTRY AC002387; ACCESSION NO. AC002387, 8 August 1997 (1997-08-08), XP002150753 cited in the application ---	1-11
A	THACKER J.: "A surfeit of RAD51-like genes?" TRENDS IN GENETICS, vol. 15, no. 5, 1 May 1999 (1999-05-01), pages 166-168, XP004167924 ISSN: 0168-9525 the whole document ---	1-11
P,A	WO 99 41394 A (PIONEER HI BRED INT) 19 August 1999 (1999-08-19) SEQ ID NO:3, SEQ ID NO:7 ---	1-11
P,A	SHOEMAKER R. ET AL.: "Public Soybean EST Project; sf36d09.x1 Gm-c1028 Glycine max cDNA clone GENOME SYSTEMS CLONE ID: Gm-c1028-2058 3' similar to TR:022144 022144 PUTATIVE DNA REPAIR PROTEIN; mRNA" EMB DATABASE ENTRY AW310460; ACCESSION NO. AW310460, 24 January 2000 (2000-01-24), XP002150754 -----	1-11